

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:46:10 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Seismic	623	Isomax	H2SNR	2010		E-355A and E-355C	Missing grout under base plate.	Install grout.	A maximo work order has been issued with a scheduled completion date of 5/9/11 / Work complete on 4/5/11	6/28/2011	McGowan, John L.	Completed
Seismic	624	Isomax	H2SNR	2010		Near HC358C, F-355 2nd deck east side.	No guides on dummy leg.	Install guides.	<p>This repair has been placed on the active TSS job log Job ID #RIC-22605</p> <p>This repair will not be needed after completing Item #625 per Ron Post (DED) evaluation</p> <p>Seismic Reco' #624 notes that at H2 Train, "C" cell Fuel Gas Manifold piping, pipe stanchion east of HV-358C is not guided.</p> <p>Seismic Reco #625 noted that the Fuel Gas Headers on the same furnace had no axial restraints. This resulted in the issuance of a work order which will add such restraints to eight headers on the furnace.</p> <p>As the Manifold piping is tied into the header runs I believe that the added axial restraints provided on the headers will suffice to provide location for the manifold stanchion and "no guide is required at this time"</p> <p>Kindest Regards,</p> <p>Ron Post PE Senior Design Engineer T/C 244 2-5170</p>	6/28/2011	McGowan, John L.	Completed
Seismic	625	Isomax	H2SNR	2010		F-355	No limit stops on fuel gas header on first and second decks.	Install limit stops.	This repair has been placed on the active TSS job log Job ID #RIC-22605 EWO in review & working to get building permit issued 5/24/11 update. / Installed 54" clamps as limit stops / Completed 6/26/11	6/28/2011	McGowan, John L.	Completed
Seismic	626	Isomax	H2SNR	2010		E-390	Anchor bolt nut is too high.	Run lower nut down.	Maximo work order issued with a completion date of 5/9/11 / work completed on 6/27/11	6/28/2011	McGowan, John L.	Completed

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:46:10 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Seismic	627	Isomax	H2SNR	2010		E-389	Anchor bolt nut is too high.	Run nut down.	Maximo work order issued with a completion date of 5/9/11 / Work completed on 6/27/11	6/28/2011	McGowan, John L.	Completed
Seismic	628	Isomax	H2SNR	2010		E-383D	Anchor bolt bent and nut is too high.	Evaluate anchor bolt and repair.	This repair has been placed on the active TSS job log Job ID #RIC-22605 The 1" diameter anchor bolt at the NE corner of E-383D may be left as is. Seismic uplift on the bolt is nil. Shear is low enough that it can be handled by a bolt only ½" in diameter. It is unlikely that the bolt is corroded to less than ¼", although some corrosion has occurred. The "bent" appearance of the bolt is likely due to either an impact during vessel placement or installation error (not plumb when the concrete set). While it is possible the bolt is cracked, that is judged unlikely given the usual practice of using mild steel for anchor bolts. Thus, no further action is recommended, and this item may be closed.(Per Al Green Civil Eng)	6/28/2011	McGowan, John L.	Completed

## All COR ISO Recommendations

### Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:46:10 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Seismic	629	Isomax	H2SNR	2010		C-380	2 inch steam line might not have enough support and guides.	Further engineering evaluation required and repair if necessary.	This repair has been placed on the active TSS job log Job ID #RIC-22605 The pipe supports are structurally adequate for gravity and seismic loads. However, the guides are short and may allow the line to jump off those supports during an earthquake. It is recommended that a retainer "U" bolt be installed on the support shown in picture 9247 (attached) and an "L" bolt be installed on the support shown in picture 9248 (attached). These non-structural, pipe retainer bolts should be 1/2" diameter. ( Per Al Green/ Civil Eng) EWO in review & working to get building permit issued 5/24/11 update / This repair was finished 6/27/11	6/28/2011	McGowan, John L.	Completed
Seismic	630	Isomax	H2SNR	2010		E-384B	Washers are too thin under anchor bolt nuts.	Replace thin washers with one quarter inch thick steel plate washers and with more diameter than existing washers.	Maximo work order issued with a completion date of 5/9/11 / Work completed 6/27/11	6/28/2011	McGowan, John L.	Completed
Seismic	631	Isomax	H2SNR	2010		E-334A	Nut below E-334A does not make contact with support.	Tighten nut so it does make contact with support.	Maximo work order issued with a completion date of 5/9/11/ plan to install staging and complete job on 6/28/11	6/28/2011	McGowan, John L.	Completed